

WHAT IS CLAIMED IS:

- 1 1. A method for identifying defective program code,
2 comprising:
3 providing a first program code having a plurality of
4 verified program components and a second program
5 code having a plurality of modified program
6 components;
7 creating a third program code corresponding to the
8 second program code, wherein one of the modified
9 program components is replaced with a
10 corresponding one of the verified program
11 components;
12 testing the third program code; and
13 designating the replaced modified program component as
14 defective according to the results of the test.
- 1 2. The method of claim 1, wherein the first program code,
2 the second program code, and the third program code
3 are dynamic link libraries.
- 1 3. The method of claim 1, further comprising testing the
2 first program code and the second program code.
- 1 4. The method of claim 1, wherein the creating and
2 designating are repeated for each modified program
3 component in the second program code.
- 1 5. The method of claim 1, wherein the modified program
2 components are program modules.

1 6. The method of claim 1, wherein the modified program
2 components are sets of program files developed by the
3 same individual.

1 7. The method of claim 1, wherein the modified program
2 components are program files.

1 8. The method of claim 1, wherein the replaced modified
2 program component is designated as defective if the
3 test is passed.

1 9. A data processing system having at least a processor
2 and accessible memory, comprising:
3 means for selecting a first program code having a
4 plurality of verified program components and a
5 second program code having a plurality of
6 modified program components;
7 means for creating a third program code corresponding
8 to the second program code, wherein one of the
9 modified program components is replaced with a
10 corresponding one of the verified program
11 components;
12 means for testing the third program code; and
13 means for designating the replaced modified program
14 component as defective according to the results
15 of the test.

1 10. The data processing system of claim 9, wherein the
2 first program code, the second program code, and the
3 third program code are dynamic link libraries.

1 11. The data processing system of claim 9, further
2 comprising means for testing the first program code
3 and the second program code.

1 12. The data processing system of claim 9, wherein the
2 modified program components are program modules.

1 13. The data processing system of claim 9, wherein the
2 modified program components are sets of program files
3 developed by the same individual.

1 14. The data processing system of claim 9, wherein the
2 modified program components are program files.

1 15. The data processing system of claim 9, wherein the
2 replaced modified program component is designated as
3 defective if the test is passed.

1 16. A computer program product tangibly embodied in a
2 machine-readable medium, comprising:
3 instructions for selecting a first program code having
4 a plurality of verified program components and a
5 second program code having a plurality of
6 modified program components;
7 instructions for creating a third program code
8 corresponding to the second program code, wherein
9 one of the modified program components is
10 replaced with a corresponding one of the verified
11 program components;
12 instructions for testing the third program code; and
13 instructions for designating the replaced modified
14 program component as defective according to the
15 results of the test.

1 17. The computer program product of claim 16, wherein the
2 first program code, the second program code, and the
3 third program code are dynamic link libraries.

1 18. The computer program product of claim 16, further
2 comprising instructions for testing the first program
3 code and the second program code.

1 19. The computer program product of claim 16, wherein the
2 modified program components are program modules.

1 20. The computer program product of claim 16, wherein the
2 modified program components are sets of program files
3 developed by the same individual.

1 21. The computer program product of claim 16, wherein the
2 modified program components program files.

1 22. The computer program product of claim 16, wherein the
2 replaced modified program component is designated as
3 defective if the test is passed.